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**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/522,314	<b>Applicant(s)</b> ONO, TAKASHI
	<b>Examiner</b> HILINA S. KASSA	<b>Art Unit</b> 2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If no period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 06 February 2009.  
 2a) This action is FINAL.      2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-6,8 and 10 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-6,8 and 10 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO-1668)  
 Paper No(s)/Mail Date \_\_\_\_\_

4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date \_\_\_\_\_

5) Notice of Informal Patent Application  
 6) Other: \_\_\_\_\_

**DETAILED ACTION**

***Response to Arguments***

1. Applicant's arguments filed 02/06/09 have been fully considered but they are not persuasive. Claims 1-6 and 8 and 10 are pending.

**(1) argument 1:**

Applicant argues that Ouchi does not "transfer packet data on a time-division basis using buffer areas allocated to a printer function and a scanner function, respectively"

With respect to Applicant's argument "transfer packet data on a time-division basis using buffer areas allocated to a printer function and a scanner function, respectively", Ouchi discloses in column 5, line 60-column 6, line 1-17, image data transmission process i.e. using image scanning device and print data recording processes are concurrently processed i.e. using the printer. Note that, T1 is used for scanning the data and transmission starts and T2 follows to record the print data using printer. Thus, the stated argument/amendment is taught by Ouchi.

**(2) argument 2:**

Applicant argues that neither Ouchi and Lam et al. nor Thomson et al. fail to teach or suggest "generating an IP address unique to each of the plurality of image processing functions based on the acquired prefix information"

With respect to Applicant's argument, Lam et al. disclose, generating an IP address unique to each of the plurality of image processing functions on the basis of the acquired prefix information (paragraph [0036], lines 1-14; note that a unique IP address gets assigned for each device on the basis of the router i.e. image processing functions). Ouchi and Lam et al. are combinable because they are from the same field of endeavor i.e. processing data for printing and other peripheral devices along with multiplex communication. At the time of the invention, it would have been obvious to a person of ordinary skilled in the art to generate an IP address unique to each of the plurality of image processing functions on the basis of the acquired prefix information. The suggestion/motivation for doing so would have been to access a multiplicity of multi-media peripheral devices without the expense and complexity of an Ethernet LAN system, (paragraph [0014], lines 1-6). Therefore, it would have been obvious to combine Ouchi with Lam et al. to obtain the invention as specified in the stated argument.

**(3) argument 3:**

Applicant argues that neither Ouchi and Lam et al. nor Thomson et al. fail to teach or suggest "an IP address generator, connected to an IPv6 router on a network, operable to acquire prefix information from the IPv6 router"

With respect to Applicant's argument Thomson et al. disclose IP address generating means connected to an Ipv6 router on a network, for acquiring prefix information from the IPv6 router (page 2, paragraph [0002] of Introduction; note that IPv6 defines an auto configuration mechanism of routers. Also, the stateless mechanism allows a host to generate its own address using a combination of locally available information provided by the routers. In addition to that, page 3 paragraph [0004] states that routes are expected to successfully pass the duplicate address detection procedure described in prior to assigning to an interface). Ouchi, Lam et al. and Thomson et al. are combinable because they are from the same field of endeavor. At the time of the invention, it would have been obvious to a person of ordinary skilled in the art to have an IP address generating means connected to an IPv6 router on a network, for acquiring prefix information from the Ipv6 router. The suggestion/motivation for doing so would have been that IPv6 addresses lease to an interface for a fixed length of time (page 3, paragraph [0002], lines 1-5) and IPv6 defines both stateful and stateless address autconfiguration mechanism (page 2, paragraph [0002], lines 1-5). Therefore, it would have been obvious to combine Ouchi, Lam et al. with Thomson et al. to obtain the invention as specified in the stated argument.

***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-6, 8 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ouchi (US Patent Number 5,987,494, see IDS) and Lam et al. (US Publication Number 2003/0142683 A1) and further in view of Thomson et al. (Request for comments 2462 IPv6 Stateless Autoconfiguration", The Internet Engineering Task Force (IETF)(online), December 1998).

**(1) regarding claim 1:**

As shown in figure 1, Ouchi discloses a composite image processing apparatus for performing a plurality of image processing functions (**1, 3, 4, figure 1; column 3, lines 5-11; note that multi-function information processing device is considered as the image processing apparatus with plurality of image processing functions**), including a printer function (**20, figure 1; column 3, lines 7-9**) and a scanner function (**4, figure 1; column 3, lines 10-11**), the apparatus comprising:

    a controller operable to communicate with a plurality of appliances on the network (**20, 23, figure 1**) and operate each of the plurality of image processing functions in accordance with a result of the communication (**column 3, lines 37-47**;

**note that the multifunctional processing device has a control unit 20 in figure 1; also, note that the operation of the printing, scanning and facsimile devices occur as communication gets established through the modem 23 of figure 1) via a common bus (7, figure 1; column 3 , lines 25-27; note that a transmission interface is connected to an external personal computer via a connection cable), to execute communications between each of the plurality of image processing functions and at least one of the plurality of appliances (column 3, lines 49-63; note that the control program i.e. part of the control unit executes facsimile function for controlling transmission and reception of the data and also, executes copying function), and to execute a transfer task for transferring packet data (column 5, lines 53-58; note that a plurality of functions are performed to transfer print data),**

**wherein the transfer task for transferring packet data is executed on a time-division basis using buffer areas allocated to the print function and the scanner function, respectively (column 5, line 60-column 6, line 1-17; note that image data transmission process i.e. using image scanning device and print data recording processes are concurrently processed i.e. using the printer. Note that, T1 is used for scanning the data and transmission starts and T2 follows to record the print data using printer).**

Ouchi discloses most of the subject matter as described as above except for specifically teaching, IP address generator, connected to an IPv6 router on a network, operable to acquire prefix information from the IPv6 router and generate an IP address unique to each of the plurality of image processing functions based on the acquired

prefix information and use of the IP addresses generated for the plurality of image processing functions.

However, Lam et al. disclose, generate an IP address unique to each of the plurality of image processing functions based on the acquired prefix information (**paragraph [0036], lines 1-14; note that a unique IP address gets assigned for each device on the basis of the router**); and by use of the IP addresses generated for the plurality of image processing functions (**paragraph [0036], lines 1-9; note that each peripheral devices have a unique IP address**).

Ouchi and Lam et al. are combinable because they are from the same field of endeavor. At the time of the invention, it would have been obvious to a person of ordinary skilled in the art to generate an IP address unique to each of the plurality of image processing functions on the basis of the acquired prefix information and use of the IP addresses generated for the plurality of image processing functions. The suggestion/motivation for doing so would have been to access a multiplicity of multi-media peripheral devices without the expense and complexity of an Ethernet LAN system, (**paragraph [0014], lines 1-6**). Therefore, it would have been obvious to combine Ouchi with Lam et al. to obtain the invention as specified in claim 1.

Ouchi and Lam et al. disclose most of the subject matter as described as above except for specifically teaching an IP address generator connected to an IPv6 router on a network, operable to acquire prefix information from the IPv6 router.

However, Thomson et al. disclose an IP address generator connected to an IPv6 router on a network, operable to acquire prefix information from the IPv6 router (**page 2**,

**paragraph [0002] of Introduction; note that IPv6 defines an auto configuration mechanism of routers. Also, the stateless mechanism allows a host to generate its own address using a combination of locally available information provided by the routers. In addition to that, page 3 paragraph [0004] states that routes are expected to successfully pass the duplicate address detection procedure described in prior to assigning to an interface).**

Ouchi, Lam et al. and Thomson et al. are combinable because they are from the same field of endeavor. At the time of the invention, it would have been obvious to a person of ordinary skilled in the art to have an IP address generator connected to an IPv6 router on a network, operable to acquire prefix information from the IPv6 router. The suggestion/motivation for doing so would have been that IPv6 addresses lease to an interface for a fixed length of time (page 3, paragraph [0002], lines 1-5) and IPv6 defines both stateful and stateless address autconfiguration mechanism (page 2, paragraph [0002], lines 1-5). Therefore, it would have been obvious to combine Ouchi, Lam et al. with Thomson et al. to obtain the invention as specified in claim 1.

**(2) regarding claim 2:**

Ouchi further discloses, the composite image processing apparatus (**column 3, lines 5-11; note that multi-function information processing device is considered as the image processing apparatus with plurality of image processing functions**) according to claim1, wherein the controller executes the plurality of image processing functions by executing, on a time-division basis using a task switchover (**column 4,**

**lines 9-15; note that control program has a timer to switchover tasks on every 1/60 seconds), control task programs corresponding respectively to the plurality of image processing functions (column 4, lines 15-29; note that the control program, which is corresponding to a plurality of functions, on the basis of the timer), and taking as a unit a control task program corresponding to an image processing function of the plurality of image processing functions (column 5, lines 27-40; note that control programs correspond to the plurality of functions of the multi-functional processing device).**

Ouchi discloses most of the subject matter as described as above except for specifically teaching control means performs the communicating using the IP addresses generated for the plurality of image processing functions based on the control task program.

However, Lam et al. disclose control means performs the communicating using the IP addresses generated for the plurality of image processing functions based on the control task program (**paragraph [0036], lines 3-8; note that central processing unit communicates between each peripheral devices via the IP addresses that is assigned**).

Ouchi and Lam et al. are combinable because they are from the same field of endeavor. At the time of the invention, it would have been obvious to a person of ordinary skilled in the art to have control means performs the communicating using the IP addresses generated for the plurality of image processing functions based on the control task program. The suggestion/motivation for doing so would have been to easily

mange and access a multiplicity of multi-media peripheral devices without the expense of an Ethernet LAN system, (paragraph [0014], lines 1-6). Therefore, it would have been obvious to combine Ouchi with Lam et al. to obtain the invention as specified in claim 2.

**(3) regarding claim 3:**

Ouchi further discloses, a control method performed by a composite image processing apparatus for performing a plurality of image processing functions, (**column 3, lines 5-11; note that multi-function information processing device is considered as the image processing apparatus with plurality of image processing functions**), including a printer function (**20, figure 1; column 3, lines 7-9**) and a scanner function (**4, figure 1; column 3, lines 10-11**), the method comprising:

a controlling step for communicating with a plurality of appliance on the network (**20, 23, figure 1**) and operating each of the plurality of image processing functions (**column 3, lines 37-47; note that the multifunctional processing device has a control unit 20 in figure 1; also, note that the operation of the printing, scanning and facsimile devices occur as communication gets established through the modem 23 of figure 1**) via a common bus (**7, figure 1; column 3 , lines 25-27; note that a transmission interface is connected to an external personal computer via a connection cable**), so that the control means executes communications between each of the plurality of image processing functions and at least one of the plurality of appliances (**column 3, lines 49-63; note that the control program i.e. part of the control unit executes facsimile function for controlling transmission and**

**reception of the data and also, executes copying function**) and an executing step of executing a transfer task for transferring packet data on a time-division basis using buffer areas allocated to the printer function and the scanner function, respectively **(column 5, line 60-column 6, line 1-17; note that image data transmission process i.e. using image scanning device and print data recording processes are concurrently processed i.e. using the printer. Note that, T1 is used for scanning the data and transmission starts and T2 follows to record the print data using printer).**

Ouchi discloses most of the subject matter as described as above except for specifically teaching, an IP address generating step of establishing a connection to an IPv6 router on a network, for acquiring prefix information from the IPv6 router, and generating an IP address unique to each of the plurality of image processing functions based on the acquired prefix information and use of the IP addresses generated for the plurality of image processing functions.

However, Lam et al. disclose, generating an IP address unique to each of the plurality of image processing functions based on the acquired prefix information **(paragraph [0036], lines 1-14; note that a unique IP address gets assigned for each device on the basis of the router); and by use of the IP address generated for the plurality of image processing functions (paragraph [0036], lines 1-9; note that each peripheral devices have a unique IP address).**

Ouchi and Lam et al. are combinable because they are from the same field of endeavor. At the time of the invention, it would have been obvious to a person of

ordinary skilled in the art to generate an IP address unique to each of the plurality of image processing functions based on the acquired prefix information and use of the IP address generated for the plurality of image processing function. The suggestion/motivation for doing so would have been to access a multiplicity of multi-media peripheral devices without the expense and complexity of an Ethernet LAN system, (paragraph [0014], lines 1-6). Therefore, it would have been obvious to combine Ouchi with Lam et al. to obtain the invention as specified in claim 1.

Ouchi and Lam et al. disclose most of the subject matter as described as above except for specifically teaching IP address generating step of establishing a connection to an IPv6 router on a network, for acquiring prefix information from said IPv6 router.

However, Thomson et al. disclose IP address generating means connected to an Ipv6 router on a network, for acquiring prefix information from the IPv6 router (**page 2, paragraph [0002] of Introduction; note that IPv6 defines an auto configuration mechanism of routers. Also, the stateless mechanism allows a host to generate its own address using a combination of locally available information provided by the routers. In addition to that, page 3 paragraph [0004] states that routes are expected to successfully pass the duplicate address detection procedure described in prior to assigning to an interface.**).

Ouchi, Lam et al. and Thomson et al. are combinable because they are from the same field of endeavor. At the time of the invention, it would have been obvious to a person of ordinary skilled in the art to have an IP address generating means connected to an IPv6 router on a network, for acquiring prefix information from the Ipv6 router. The

suggestion/motivation for doing so would have been that IPv6 addresses lease to an interface for a fixed length of time (page 3, paragraph [0002], lines 1-5) and IPv6 defines both stateful and stateless address autoconfiguration mechanism (page 2, paragraph [0002], lines 1-5). Therefore, it would have been obvious to combine Ouchi, Lam et al. with Thomson et al. to obtain the invention as specified in claim 3.

**(4) regarding claim 4:**

Ouchi further discloses, the control method of an image processing apparatus according to claim 3, wherein the controlling step involves executing the plurality of image processing functions by executing, on a time-division basis using a task switchover (**column 4, lines 9-15; note that control program has a timer to switchover tasks on every 1/60 seconds**), control task programs corresponding respectively to the plurality of image processing functions (**column 4, lines 15-29; note that the control program, which is corresponding to a plurality of functions, on the basis of the timer**), and taking as a unit a control task program corresponding to an image processing function of the plurality of image processing functions (**column 5, lines 27-40; note that control programs correspond to the plurality of functions of the multi-functional processing device**).

Ouchi discloses most of the subject matter as described as above except for specifically teaching control means perform the communication using the IP addresses generated for the plurality of image processing function based on the control task program.

However, Lam et al. disclose control means perform the communication using the IP addresses generated for the plurality of image processing function based on the control task program (**paragraph [0036], lines 3-8; note that central processing unit communicates between each peripheral devices via the IP addresses that is assigned**).

Ouchi and Lam et al. are combinable because they are from the same field of endeavor. At the time of the invention, it would have been obvious to a person of ordinary skilled in the art to have control means perform the communication using the IP addresses generated for the plurality of image processing function based on the control task program. The suggestion/motivation for doing so would have been to easily manage and access a multiplicity of multi-media peripheral devices without the expense of an Ethernet LAN system, (paragraph [0014], lines 1-6). Therefore, it would have been obvious to combine Ouchi with Lam et al. to obtain the invention as specified in claim 4.

**(5) regarding claim 5:**

Ouchi further discloses, a computer-readable medium storing a computer-executable control program for implementing a method of controlling a composite image processing apparatus for performing a plurality of image processing functions (**column 3, lines 5-11; note that multi-function information processing device is considered as the image processing apparatus with plurality of image processing functions**), including a printer function (**20, figure 1; column 3, lines 7-9**) and a scanner function (**4, figure 1; column 3, lines 10-11**), the method comprising:

a controlling step for communicating with a plurality of appliance on the network (20, 23, figure 1) and operating each of the plurality of image processing functions (column 3, lines 37-47; note that the multifunctional processing device has a control unit 20 in figure 1; also, note that the operation of the printing, scanning and facsimile devices occur as communication gets established through the modem 23 of figure 1) via a common bus (7, figure 1; column 3, lines 25-27; note that a transmission interface is connected to an external personal computer via a connection cable), so that the control means executes communications between each of the plurality of image processing functions and at least one of the plurality of appliances (column 3, lines 49-63; note that the control program i.e. part of the control unit executes facsimile function for controlling transmission and reception of the data and also, executes copying function), and an executing step of executing a transfer task for transferring packet data on a time-division basis using buffer areas allocated to the printer function and the scanner function, respectively (column 5, line 60-column 6, line 1-17; note that image data transmission process i.e. using image scanning device and print data recording processes are concurrently processed i.e. using the printer. Note that, T1 is used for scanning the data and transmission starts and T2 follows to record the print data using printer).

Ouchi discloses most of the subject matter as described as above except for specifically teaching, an IP address generating step of establishing a connection to an IPv6 router on a network, for acquiring prefix information from said IPv6 router and

generating an IP address unique to each of the plurality of image processing functions based on the acquired prefix information and use of the IP address generated for the plurality of image processing functions.

However, Lam et al. disclose, generating an IP address unique to each of the plurality of image processing functions on the basis of the acquired prefix information (**paragraph [0036], lines 1-14; note that a unique IP address gets assigned for each device on the basis of the router**); and by use of the IP address generated for the plurality of image processing functions (**paragraph [0036], lines 1-9; note that each peripheral devices have a unique IP address**).

Ouchi and Lam et al. are combinable because they are from the same field of endeavor. At the time of the invention, it would have been obvious to a person of ordinary skilled in the art to generate an IP address unique to each of the plurality of image processing functions based on the acquired prefix information and use of the IP address generated for the plurality of image processing functions. The suggestion/motivation for doing so would have been to access a multiplicity of multi-media peripheral devices without the expense and complexity of an Ethernet LAN system, (**paragraph [0014], lines 1-6**). Therefore, it would have been obvious to combine Ouchi with Lam et al. to obtain the invention as specified in claim 1.

Ouchi and Lam et al. disclose most of the subject matter as described as above except for specifically teaching IP address generating step of establishing a connection to an IPv6 router on a network, for acquiring prefix information from said IPv6 router.

However, Thomson et al. disclose IP address generating means connected to an IPv6 router on a network, for acquiring prefix information from said IPv6 router (**page 2, paragraph [0002] of Introduction; note that IPv6 defines an autoconfiguration mechanism of routers. Also, the stateless mechanism allows a host to generate its own address using a combination of locally available information provided by the routers. In addition to that, page 3 paragraph [0004] states that routes are expected to successfully pass the duplicate address detection procedure described in prior to assigning to an interface**).

Ouchi, Lam et al. and Thomson et al. are combinable because they are from the same field of endeavor. At the time of the invention, it would have been obvious to a person of ordinary skilled in the art to have an IP address generating means connected to an IPv6 router on a network, for acquiring prefix information from said IPv6 router. The suggestion/motivation for doing so would have been that IPv6 addresses lease to an interface for a fixed length of time (page 3, paragraph [0002], lines 1-5) and IPv6 defines both stateful and stateless address autoconfiguration mechanism (page 2, paragraph [0002], lines 1-5). Therefore, it would have been obvious to combine Ouchi, Lam et al. with Thomson et al. to obtain the invention as specified in claim 5.

**(6) regarding claim 6:**

Ouchi further discloses, the computer-readable medium according to claim 3, wherein the controlling step executes the plurality of image processing functions by executing, on a time-division basis using a task switchover (**column 4, lines 9-15; note**

**that control program has a timer to switchover tasks on every 1/60 seconds),** control task programs corresponding respectively to the plurality of image processing functions (**column 4, lines 15-29; note that the control program, which is corresponding to a plurality of functions, on the basis of the timer**), and taking as a unit the control task program corresponding to an image processing function of the plurality of image processing functions (**column 5, lines 27-40; note that control programs correspond to the plurality of functions of the multi-functional processing device**).

Ouchi discloses most of the subject matter as described as above except for specifically teaching control means perform the communication using the IP addresses generated for the plurality of image processing function based on the control task program.

However, Lam et al. disclose control means perform the communication using the IP addresses generated for the plurality of image processing function based on the control task program (**paragraph [0036], lines 3-8; note that central processing unit communicates between each peripheral devices via the IP addresses that is assigned**).

Ouchi and Lam et al. are combinable because they are from the same field of endeavor. At the time of the invention, it would have been obvious to a person of ordinary skilled in the art to have control means perform the communication using the IP addresses generated for the plurality of image processing function based on the control task program. The suggestion/motivation for doing so would have been to easily mange

and access a multiplicity of multi-media peripheral devices without the expense of an Ethernet LAN system, (paragraph [0014], lines 1-6). Therefore, it would have been obvious to combine Ouchi with Lam et al. to obtain the invention as specified in claim 6.

**(7) regarding claim 8:**

Ouchi discloses all of the subject matter as described as above except for specifically teaching, wherein the IP address generator means sends each generated IP address to the router to check for duplication of the IP address, and, if the IP address is a duplicate, the IP address generator generates an IP address different from the duplicate IP address based on the prefix information.

However, Lam et al. disclose wherein the IP address generator means sends each generated IP address to the router to check for duplication of the IP address (paragraph [0038], lines 4-16; note that the unique IP address of the peripherals gets stored as a simple look up table, if change or addition needs to be made, a new IP gets generated), and, if the IP address is a duplicate (paragraph [0038], lines 8-9; note that if the IP address needs to be changed or added, a new IP gets generated), the IP address generator generates an IP address different from the duplicate IP address based on the prefix information (paragraph [0040], lines 3-22).

Ouchi and Lam et al. are combinable because they are from the same field of endeavor. At the time of the invention, it would have been obvious to a person of ordinary skilled in the art wherein the IP address generator means sends each generated IP address to the router to check for duplication of the IP address, and, if the

IP address is a duplicate, the IP address generator generates an IP address different from the duplicate IP address based on the prefix information. The suggestion/motivation for doing so would have been for efficiently access and utilize the devices. Therefore, it would have been obvious to combine Ouchi with Lam et al. to obtain the invention as specified in claim 8.

**(8) regarding claim 10:**

Ouchi discloses all of the subject matter as described as above except for specifically teaching, wherein IP address generating step includes sending each the generated IP address to the router to check for duplication of the IP address, and if the IP address is a duplicate, the IP address generating step includes generating an IP address different from the duplicate IP address based on the prefix information.

However, Lam et al. disclose wherein IP address generating step includes sending each the generated IP address to the router to check for duplication of the IP address (**paragraph [0038], lines 4-16; note that the unique IP address of the peripherals gets stored as a simple look up table, if change or addition needs to be made, a new IP gets generated**), and if the IP address is a duplicate (**paragraph [0038], lines 8-9; note that if the IP address needs to be changed or added, a new IP gets generated**), the IP address generating step includes generating an IP address different from the duplicate IP address based on the prefix information (**paragraph [0040], lines 3-22**).

Ouchi and Lam et al. are combinable because they are from the same field of endeavor. At the time of the invention, it would have been obvious to a person of

ordinary skilled in the art to generate an IP address if there is duplication from the previously generated address. The suggestion/motivation for doing so would have been for efficiently access and utilize the devices. Therefore, it would have been obvious to combine Ouchi with Lam et al. to obtain the invention as specified in claim 10.

***Conclusion***

3. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

**Inoue** (US Patent Number 7,031,276 B2) discloses Communication system using access control for mobile terminals with respect to local network.

5. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Hilina Kassa whose telephone number is (571) 270-1676.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore could be reached at (571) 272- 7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about PAIR system, see <http://pari-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Hilina S Kassa/  
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